



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Substitute Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

4-Aminopyrrolopyrimidines as Kinase Inhibitors

the specification of which (check one)

[] is attached hereto.

[X] was filed on September 17, 1999 as United States Application

Number or PCT International Application No. 09/399,083

and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

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<u>Prior Foreign Application(s)</u>	Priority Not Claimed	Certified Copy Filed? YES	Certified Copy Filed? NO
(Number)	(Country)	(Day/Month/Year filed)	[] [] []
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I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

<u>60/040,836</u> (Application Number)	March 19, 1997 (Filing Date)
<u>60/100,834</u> (Application Number)	September 18, 1998 (Filing Date)
<u>60/100,954</u> (Application Number)	September 18, 1998 (Filing Date)

TECH CENTER 1600
REC'D MAR 26 2001
CIV

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09/042,702 (Application Serial No.)	March 17, 1998 (Filing date)	Pending (Status: patented, pending, abandoned)
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Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02421-4799
Customer No. 21005,

and _____,

to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please send correspondence to:

[X] Customer No.

**21005
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
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Lexington, MA 02421-4799**

or

[] Address as follows:

Direct telephone calls to: Richard W. Wagner, Esq. Telephone No.: 781-861-6240

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Full name of sole

or first inventor David Calderwood

Inventor's Signature _____ Date _____

Residence 4 McCarthy Circle

Framingham, Massachusetts 01702

Citizenship Great Britain

Mailing Address Same as above

Full name of second joint

inventor, if any Lee Arnold

Inventor's Signature _____ Date _____

Residence 216 Ruggles Street

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Full name of third joint

inventor, if any Hormoz Mazdiyasni

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Full name of fourth joint

inventor, if any Gavin C. Hirst

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inventor, if any Bojuan B. Deng

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Residence _____ Pennyfoot Street

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Citizenship _____ Great Britain

Mailing Address _____ Same as above

Full name of tenth joint

inventor, if any Rainer Munschauer

Inventor's Signature Rainer Munschauer Date 5-Mar-01

Residence Zepplinstr. 5

67435 Neustadt, Germany

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TECH CENTER 1600 RECEIVED MAR 26 2001 16002900

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Full name of ninth joint

inventor, if any Helen L. Twigger

Inventor's Signature Helen Twigger Date 07 MAR 2001

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Nottingham NG1 1GF, England

Citizenship Great Britain

Mailing Address Same as above

Full name of tenth joint

inventor, if any Rainer Munschauer

Inventor's Signature _____ Date _____

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Mailing Address Same as above

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inventor, if any _____

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Residence _____

Citizenship _____

Mailing Address _____

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CIPR SC152
MAR 22 2001
PATENT & TRADEMARK OFFICE

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TECH CENTER 1600 RECEIVED MAR 26 2001 1600/2900

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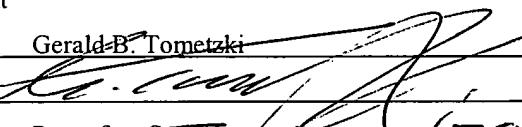
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Mailing Address Same as above

Full name of eighth joint

inventor, if any Gerald B. Tometzki

Inventor's Signature  Date 06.03.01

Residence Pennyfoot Street 78 OGLE STREET

Nottingham NG1 1GF, England HUCKNALL, NOTTINGHAM

Citizenship Great Britain

NG15 7FR.

GBR 06.03.01

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(Number)	(Country)	(Day/Month/Year filed)	[]	[]	[]
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<u>60/040,836</u> (Application Number)	<u>March 19, 1997</u> (Filing Date)
<u>60/100,834</u> (Application Number)	<u>September 18, 1998</u> (Filing Date)
<u>60/100,954</u> (Application Number)	<u>September 18, 1998</u> (Filing Date)

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<u> </u> (Application Serial No.)	<u> </u> (Filing date)	<u> </u> (Status: patented, pending, abandoned)
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Customer No. 21005,

and _____,

to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please send correspondence to:

[X] Customer No.

**21005
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
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or

[] Address as follows:

Direct telephone calls to: Richard W. Wagner, Esq. Telephone No.: 781-861-6240

Direct facsimiles to: Richard W. Wagner, Esq. Facsimile No.: 781-861-9540

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Full name of sole

or first inventor David Calderwood

Inventor's Signature _____ Date _____

Residence 4 McCarthy Circle

Framingham, Massachusetts 01702

Citizenship Great Britain

Mailing Address Same as above

Full name of second joint

inventor, if any Lee Arnold

Inventor's Signature _____ Date _____

Residence 216 Ruggles Street

Westboro, Massachusetts 01581

Citizenship Canada

Mailing Address Same as above

Full name of third joint

inventor, if any Hormoz Mazdiyasni

Inventor's Signature _____ Date _____

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Douglas, Massachusetts 01516

Citizenship U.S.A.

Mailing Address Same as above

Full name of fourth joint

inventor, if any Gavin C. Hirst

Inventor's Signature _____ Date _____

Residence 112 Robert Road

Marlboro, Massachusetts 01752

Citizenship Great Britain

Mailing Address Same as above

Full name of fifth joint

inventor, if any Bojuan B. Deng

Inventor's Signature _____ Date _____

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Shrewsbury, Massachusetts 01545

Citizenship Peoples Republic of China

Mailing Address Same as above

Full name of sixth joint

inventor, if any David N. Johnston

Inventor's Signature 

Date 2 March 2001

Residence Pennyfoot Street

Nottingham NG1 1GF, England

Citizenship Great Britain

Mailing Address Same as above

Full name of seventh joint

inventor, if any Paul Rafferty

Inventor's Signature _____

Date _____

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Full name of tenth joint

inventor, if any Rainer Munschauer

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Citizenship Germany

Mailing Address Same as above

Full name of eleventh joint

inventor, if any _____

Inventor's Signature _____ Date _____

Residence _____

Citizenship _____

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:ODMA\HODMA\Manage;201398;1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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4-Aminopyrrolopyrimidines as Kinase Inhibitors

the specification of which (check one)

[] is attached hereto.

[X] was filed on September 17, 1999 as United States Application

Number or PCT International Application No. 09/399,083

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Mailing Address Same as above

Full name of second joint

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Inventor's Signature _____ Date _____

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Full name of fourth joint

inventor, if any Gavin C. Hirst

Inventor's Signature _____ Date _____

Residence 112 Robert Road

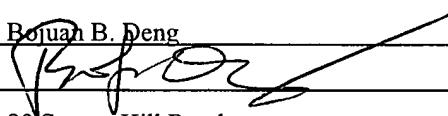
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inventor, if any _____

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Residence _____

Citizenship _____

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4-Aminopyrrolopyrimidines as Kinase Inhibitors

the specification of which (check one)

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Number or PCT International Application No. 09/399,083

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inventor, if any Hormoz Mazdiyasni

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Inventor's Signature Gavin Hirst Date 2/28/01

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Full name of ninth joint

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Full name of tenth joint

inventor, if any Rainer Munschauer

Inventor's Signature _____ Date _____

Residence Zepplinstr. 5

_____ 67435 Neustadt, Germany

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Mailing Address Same as above

Full name of eleventh joint

inventor, if any _____

Inventor's Signature _____ Date _____

Residence _____

Citizenship _____

Mailing Address _____

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the specification of which (check one)

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<u>Prior Foreign Application(s)</u>	<u>Priority Not Claimed</u>	<u>Certified Copy Filed?</u>			
<u>Number</u>	<u>Country</u>	<u>Day/Month/Year filed</u>	<u>[]</u>	<u>[]</u>	<u>[]</u>
(Number)	(Country)	(Day/Month/Year filed)	[]	[]	[]
(Number)	(Country)	(Day/Month/Year filed)	[]	[]	[]
(Number)	(Country)	(Day/Month/Year filed)	[]	[]	[]

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

<u>60/040,836</u> (Application Number)	<u>March 19, 1997</u> (Filing Date)
<u>60/100,834</u> (Application Number)	<u>September 18, 1998</u> (Filing Date)
<u>60/100,954</u> (Application Number)	<u>September 18, 1998</u> (Filing Date)

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I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

09/042,702 (Application Serial No.)	March 17, 1998 (Filing date)	Pending (Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)

As a named inventor, I hereby appoint the attorneys and/or agents associated with
Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02421-4799
Customer No. 21005,

and _____,

to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please send correspondence to:

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Lexington, MA 02421-4799

or

[] Address as follows:

Direct telephone calls to: Richard W. Wagner, Esq. Telephone No.: 781-861-6240

Direct facsimiles to: Richard W. Wagner, Esq. Facsimile No.: 781-861-9540

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole
or first inventor David Calderwood

Inventor's Signature David Calderwood Date 2/28/01

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Citizenship Great Britain

Mailing Address Same as above

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inventor, if any Lee Arnold

Inventor's Signature _____ Date _____

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Full name of third joint

inventor, if any Hormoz Mazdiyasni

Inventor's Signature _____ Date _____

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Mailing Address Same as above

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inventor, if any Gavin C. Hirst

Inventor's Signature _____ Date _____

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Full name of fifth joint

inventor, if any Bojuan B. Deng

Inventor's Signature _____ Date _____

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inventor, if any David N. Johnston

Inventor's Signature _____ Date _____

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Mailing Address Same as above

Full name of seventh joint

inventor, if any Paul Rafferty

Inventor's Signature _____ Date _____

Residence Pennyfoot Street

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Citizenship Great Britain

Mailing Address Same as above

Full name of eighth joint

inventor, if any Gerald B. Tometzki

Inventor's Signature _____ Date _____

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Full name of ninth joint

inventor, if any Helen L. Twigger

Inventor's Signature _____ Date _____

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Full name of tenth joint

inventor, if any Rainer Munschauer

Inventor's Signature _____ Date _____

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Mailing Address Same as above

Full name of eleventh joint

inventor, if any _____

Inventor's Signature _____ Date _____

Residence _____

Citizenship _____

Mailing Address _____

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Substitute Declaration for Patent Application

I, [REDACTED] as a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;
I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

4-Aminopyrrolopyrimidines as Kinase Inhibitors

the specification of which (check one)

[] is attached hereto.

[X] was filed on September 17, 1999 as United States Application

Number or PCT International Application No. 09/399,083

and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>	Priority Not Claimed	Certified Copy Filed? YES NO
(Number)	(Country)	(Day/Month/Year filed)
(Number)	(Country)	(Day/Month/Year filed)
(Number)	(Country)	(Day/Month/Year filed)

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<u>60/040,836</u> (Application Number)	<u>March 19, 1997</u> (Filing Date)
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Customer No. 21005,

and _____,

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Inventor's Signature Hormoz Mazdiyasni Date 3/2/2001

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Full name of fourth joint

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Full name of fifth joint

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inventor, if any _____

Inventor's Signature _____ Date _____

Residence _____

Citizenship _____

Mailing Address _____

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